



MICROBIOLOGY

CytoQuant®

Mobile Flow Cytometer

The CytoQuant® mobile flow cytometer enables the immediate, on site verification of cleaning procedures in food production facilities or other areas where hygiene is crucial by directly quantifying bacteria and residues on surfaces.



CytoQuant® brings the power of flow cytometry to the convenience of a hand-held device.

Using impedance flow cytometry, CytoQuant® measures bacteria and residue concentrations on surfaces. Separate, precise counts for each are provided in 30 seconds, without the need for pre-treatment, incubation or chemical reagents.

CytoQuant® is easy to use and does not require a lab or special training.

Application

The CytoQuant® mobile flow cytometer has a broad scope of application. Use it to quantify bacteria and residues on surfaces in food production facilities, clean rooms, hospitals and on any other surface where hygiene is crucial.

What is impedance flow cytometry?

Impedance flow cytometry is a technology that measures cell and particle characteristics with electrical impedance as the method of detection.

The sample is pumped through a microfluidic flow cell with integrated electrodes. An object flowing between the electrodes will introduce a change to the electrical current.

Bacteria have unique electrical properties. Because of their size, the non-conductivity of their cell membrane and the conductivity of their cytoplasm, bacteria leave a fingerprint that distinguishes them from other particles.

This enables CytoQuant® to accurately detect and differentiate between intact cells and particles in a sample.

FEATURES AND BENEFITS

Direct quantification of bacteria and residues enables proper verification of both cleaning and disinfection procedures (IFS 7.1).

Results in 30 seconds allow for preventive control and pre-operational actions.

Measurements are not influenced by disinfectants or temperature reducing result variability.

Simple test procedure does not require a lab or special training.

Simple connectivity allows you to save, export and document test results with ease.

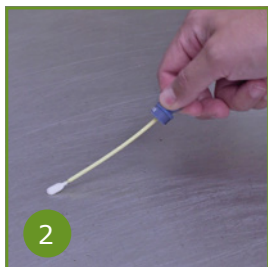
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Quick Reference

Carefully read the product manual before performing any test.



1
Open the swab kit by unscrewing the swab from the vial.



2
Swab the surface to be tested.



3
Return the swab into the vial and screw it closed.



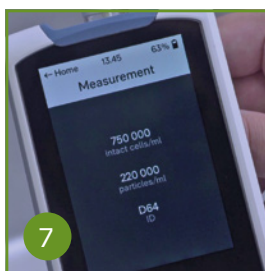
4
Shake to suspend bacteria and residues in the buffer.



5
Insert the swab kit into the vial port.



6
Press OK and wait 30 seconds for the results.



7
Read the results displayed on the screen.

Ordering Information

Item	Description	Item No.
CytoQuant® Flow Cytometer (incl. CytoQuant® CountCell™)	1 pc	10006469
CytoQuant® CountCell™	1 pc	10006471
CytoQuant® Swab Kit	72 pcs	10006468
CytoQuant® Cleaning Vial	72 pcs	10006470
CytoQuant® Storage Vial	72 pcs	10006624